DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

EMB

(Pre-Measurement Sheet and Measurement Sheet)

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item No.1		KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5.							
Measurements taken on									
		Footing							
		Southernside	Cum	3	5.90	1.70	2.00	60.18	
			Cum	2	5.70	1.75	2.00	39.90	
			Cum	2	6.10	2.00	2.00	48.80	
			Cum	1	5.90	2.60	2.00	30.68	
			Cum	1	6.40	4.10	2.00	52.48	
			Cum	2	6.10	2.30	2.00	56.12	
			Cum	2	5.70	2.40	2.00	54.72	
			Cum	1	5.50	1.70	2.00	18.70	
		Westernside	Cum	1	5.30	1.60	2.00	16.96	
			Cum	1	5.20	1.70	2.00	17.68	
			Cum	1	5.50	1.50	2.00	16.50	
			Cum	1	5.20	1.70	2.00	17.68	
			Cum	1	5.55	1.60	2.00	17.76	
			Cum	1	5.40	1.70	2.00	18.36	
			Cum	1	5.30	1.70	2.00	18.02	
			Cum	1	5.40	1.70	2.00	18.36	
			Cum	1	5.70	1.70	2.00	19.38	

C&FC
Soulth
14/11/2019

Ramanjaneyulu AE 14/11/2019

CONTRACTOR ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

PREMEASUREMENT SHEET

Client

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
		BeamB1 above Column Footing(300X600)							
		Southernside	Cum	1	11.50	0.30	0.30	1.04	
			Cum	1	53.85	0.30	0.30	4.85	
		Westernside	Cum	1	38.60	0.30	0.30	3.47	
		Deduction For Beam Excavtion							
		Southernside							
			Cum	3	1.70	0.30	0.30	-0.46	
			Cum	2	1.75	0.30	0.30	-0.32	
			Cum	2	2.00	0.30	0.30	-0.36	
			Cum	1	2.60	0.30	0.30	-0.23	
			Cum	1	4.10	0.30	0.30	-0.37	
			Cum	2	2.30	0.30	0.30	-0.41	
			Cum	2	2.40	0.30	0.30	-0.43	
			Cum	1	1.70	0.30	0.30	-0.15	
		Westernside	Cum	1	1.60	0.30	0.30	-0.14	
			Cum	1	1.70	0.30	0.30	-0.15	
			Cum	1	1.50	0.30	0.30	-0.14	
			Cum	1	1.70	0.30	0.30	-0.15	
			Cum	1	1.60	0.30	0.30	-0.14	
			Cum	1	1.70	0.30	0.30	-0.15	
			Cum	1	1.70	0.30	0.30	-0.15	
			Cum	1	1.70	0.30	0.30	-0.15	
			Cum	1	1.70	0.30	0.30	-0.15	
							Total Executed Quantity	527.56	
							Qty Carried to Summary	527.56	

Ramanjeenah
14/11/20

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

CONTRACTOR | ASSISTANT ENGINEER | ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

PREMEASUREMENT SHEET

Client										
Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.3		KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.specification. No. KBS 2.10.2							
Measurements taken on									
		Gallery Footing							
		Southernside	Cum	14	3.30	1.60	0.60	44.35	
		Westernside	Cum	9	3.30	1.60	0.60	28.51	
		Column Footing							
		Southernside	Cum	14	1.70	1.70	0.60	24.28	
		Westernside	Cum	7	1.70	1.70	0.60	12.14	
							Total Executed Quantity	109.28	
							Qty Carried to Summary	109.28	C&FC

Ramaraj-ee2h
18/11/2019

ಸಹಾಯಕ ಇಂಜಿನಿಯರ್ ಗಳು ವಿಭಾಗ
ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ ಬಿ ಎಂ ಪಿ, ಬೆಂಗಳೂರು-106

CONTRACTOR ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

Client | **PREMEASUREMENT SHEET**

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No.4		Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.							
Measurements taken on									
		Gallery Footing							
		Southernside	Cum	14	3.30	1.60	0.20	14.78	
		Westernside	Cum	9	3.30	1.60	0.20	9.50	
		Column Footing					0.20		
		Southernside	Cum	14	1.70	1.70	0.20	8.09	
		Westernside	Cum	7	1.70	1.70	0.20	4.05	
		BeamB1 above Column Footing(300X600)					0.20		
		Southernside	Cum	1	11.50	0.30	0.20	0.69	
			Cum	1	53.85	0.30	0.20	3.23	
		Westernside	Cum	1	38.60	0.30	0.20	2.32	
							Total Executed Quantity	42.66	
							Qty Carried to Summary	42.66	

OPC

Ramanjeerah 23/11/2019

ಸಹಾಯಕ ಅಭಿಯಂತರ 23/11/2019
ಜುಡಿಷಿಯಲ್ ಲೇಔಟ್ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬ.ಬ.ಮ.ಪ. ಬೆಂಗಳೂರು-108

NTRACTOR | ASSISTANT ENGINEER | ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

PREMEASUREMENT SHEET

Client									
Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.7		KSRB-3.2: Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7							
Measurements taken on									
		Westernside	Sqm	1	43.70	4.50		196.65	
		Southernside	Sqm	1	54.30	4.50		244.35	
			Sqm	1	12.10	4.50		54.45	
							Total Executed Quantity	495.45	
							Qty Carried to Summary	495.45	

Ramanjaneya
26/11/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಮಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜ ಜ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

NTRACTOR | ASSISTANT ENGINEER | ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

PREMEASUREMENT SHEET

Client										
Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.10		KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3							
Measurements taken on									
		Gallery Footing	Tonne	From Calculation Sheet			7.59		
		Column Footing	Tonne	From Calculation Sheet			3.08		
		BEAM	Tonne	From Calculation Sheet			8.46		
		Gallery Steps	Tonne	From Calculation Sheet			39.79		
							Total Executed Quantity	58.93	
							Qty Carried to Summary	58.93	

Ramaraju Assistant Executive Engineer
Judicial Layout Sub Division
A.E. B.B.M.P. Bangalore-106

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

JUDICIAL LAYOUT IN WARD No. 4.

M/S S.M.L.P. ASPHALTS Prop. B.B. Umesh, No:385, Bettahalasuru Post, Banglore North

Steel calculation sheet

	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
o			mm			m	m	m	m	kg/m	Kg's
10	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3										
eme n on	Measurements Recorded on 5/12/2019										
	Gallery Footing										
	Southernside										
	Bars Along Long Direction	14	25	16	224	3.30	0.0	3.30	739.20	3.85	2848.40
	Bars Along Short Direction	14	16	23	322	1.60	0.0	1.60	515.20	1.58	813.16
	Westernside										
	Bars Along Long Direction	9	25	16	144	3.30	0.0	3.30	475.20	3.9	1831.12
	Bars Along Short Direction	9	16	23	207	1.60	0.0	1.60	331.20	1.6	522.74
	Column Footing										
	Southernside										
	Bars Along Long Direction	14	16	14	196	1.70	0.0	1.70	333.20	1.58	525.90
	Bars Along Short Direction	14	16	14	196	1.70	0.0	1.70	333.20	1.58	525.90
	Westernside										
	Bars Along Long Direction	7	16	14	98	1.70	0.0	1.70	166.60	1.58	262.95
	Bars Along Short Direction	7	16	14	98	1.70	0.0	1.70	166.60	1.58	262.95
										Sub Total	7593.13
	Column Footing										
	Southernside										
		3	16	16	48	1.97	0.00	1.97	94.56	1.58	149.28
	Rectangle Rings8 @ 250 c/c	3	8	9	27	2.50	0.00	2.50	66.60	0.39	26.28
		2	16	16	32	1.97	0.00	1.97	63.04	1.58	99.50
	Rectangle Rings8 @ 250 c/c	2	8	9	18	2.50	0.00	2.50	44.40	0.39	17.52
		2	16	16	32	1.97	0.00	1.97	63.04	1.58	99.50
	Rectangle Rings8 @ 250 c/c	2	8	9	18	2.50	0.00	2.50	44.40	0.39	17.52
		1	16	16	16	1.97	0.00	1.97	31.52	1.58	49.75
	Rectangle Rings8 @ 250 c/c	1	8	9	9	2.50	0.00	2.50	22.20	0.39	8.76
		1	16	16	16	1.97	0.00	1.97	31.52	1.58	49.75

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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CONTRACTOR PMC ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
o			mm			m	m	m	m	kg/m	Kg's
	Rectangle Rings8 @ 250 c/c	1	8	5	5	1.20	0.00	1.20	6.48	0.39	2.56
	``	1	16	4	4	1.10	0.00	1.10	4.40	1.58	6.94
	Rectangle Rings8 @ 250 c/c	1	8	5	5	1.20	0.00	1.20	6.48	0.39	2.56
	``	2	16	4	8	1.10	0.00	1.10	8.80	1.58	13.89
	Rectangle Rings8 @ 250 c/c	2	8	5	11	1.20	0.00	1.20	12.96	0.39	5.11
	``	2	16	4	8	1.10	0.00	1.10	8.80	1.58	13.89
	Rectangle Rings8 @ 250 c/c	1	16	4	4	1.10	0.00	1.10	4.40	1.58	6.94
	Westernside	1	8	5	5	1.20	0.00	1.20	6.48	0.39	2.56
	``	1	16	4	4	1.10	0.00	1.10	4.40	1.58	6.94
	Rectangle Rings8 @ 250 c/c	1	8	5	5	1.20	0.00	1.20	6.48	0.39	2.56
	``	1	16	4	4	1.10	0.00	1.10	4.40	1.58	6.94
	Rectangle Rings8 @ 250 c/c	1	8	5	5	1.20	0.00	1.20	6.48	0.39	2.56
	``	1	16	4	4	1.10	0.00	1.10	4.40	1.58	6.94
	Rectangle Rings8 @ 250 c/c	1	8	5	5	1.20	0.00	1.20	6.48	0.39	2.56
	``	1	16	4	4	1.10	0.00	1.10	4.40	1.58	6.94
	Rectangle Rings8 @ 250 c/c	1	8	5	5	1.20	0.00	1.20	6.48	0.39	2.56
	``	1	16	4	4	1.10	0.00	1.10	4.40	1.58	6.94
	Rectangle Rings8 @ 250 c/c	1	8	5	5	1.20	0.00	1.20	6.48	0.39	2.56
	``	1	16	4	4	1.10	0.00	1.10	4.40	1.58	6.94
	Rectangle Rings8 @ 250 c/c	1	8	5	5	1.20	0.00	1.20	6.48	0.39	2.56
	Pedestal above Ground Level										
	Southernside										
	Rectangle Rings8 @ 250 c/c	14	16	16	224	2.25	0.00	2.25	504.00	1.58	795.48
	Westernside	14	8	10	140	2.50	0.00	2.50	350.00	0.39	138.10
	Rectangle Rings8 @ 250 c/c	9	16	16	144	2.25	0.00	2.25	324.00	1.58	511.38
		9	8	10	90	2.50	0.00	2.50	225.00	0.39	88.78
										Sub Total	3078.99

Ramanajeeah

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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CONTRACTOR PMC ASSISTANT ENGINEER

Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
		mm			m	m	m	m	kg/m	Kg's
BEAM										
BeamB1 above Column a Footing and pedastal (300X600)	1									
Southernside										
top bars		25	4	4	12.70	0.00	12.70	50.80	3.85	195.75
bottom bars		25	4	4	11.50	0.00	11.50	46.00	3.85	177.25
2L-#10mm @150c/cstirrups		10	78	78	1.80	0.00	1.80	139.80	0.62	86.19
Southernside	1									
top bars		25	4	4	55.05	0.00	55.05	220.20	3.85	848.51
bottom bars		25	4	4	53.85	0.00	53.85	215.40	3.85	830.01
2L-#10mm @150c/cstirrups		10	360	360	1.80	0.00	1.80	648.00	0.62	399.52
Westernside	1									
top bars		25	4	4	39.80	0.00	39.80	159.20	3.85	613.45
bottom bars		25	4	4	38.60	0.00	38.60	154.40	3.85	594.96
2L-#10mm @150c/cstirrups		10	258	258	1.80	0.00	1.80	465.00	0.62	286.69
BeamB1 above Pedestal (300X600)	1									
Westernside										
top bars		25	4	4	45.00	0.00	45.00	180.00	3.85	693.60
bottom bars		25	4	4	43.80	0.00	43.80	175.20	3.85	675.11
2L-#10mm @150c/cstirrups		10	293	293	1.80	0.00	1.80	527.40	0.62	325.16
Southernside	1									
top bars		25	4	4	12.70	0.00	12.70	50.80	3.85	195.75
bottom bars		25	4	4	11.50	0.00	11.50	46.00	3.85	177.25
2L-#10mm @150c/cstirrups		10	78	78	1.80	0.00	1.80	139.80	0.62	86.19
Southernside	1									
top bars		25	4	4	60.30	0.00	60.30	241.20	3.85	929.43
bottom bars		25	4	4	59.10	0.00	59.10	236.40	3.85	910.93
2L-#10mm @150c/cstirrups		10	395	395	1.80	0.00	1.80	711.00	0.62	438.36
									Sub Total	8464.14
Gallery Steps										
Southernside	4.00									
		16	3	12	11.50	0.00	11.50	138.00	1.58	217.81
Bottom bars		16	3	12	11.50	0.00	11.50	138.00	1.58	217.81
		10	10	39	11.50	0.00	11.50	450.80	0.62	277.94

Ramarayeerah

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

CBPC

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
To		mm			m	m	m	m	kg/m	Kg's
#16mm @100c/cstirrups		16	396	396	1.30	0.00	1.30	514.15	1.58	811.50
	1.00									
top bars		16	3	3	40.35	0.00	40.35	121.05	1.58	191.06
Bottom bars		16	3	3	40.35	0.00	40.35	121.05	1.58	191.06
		10	10	10	40.35	0.00	40.35	395.43	0.62	243.80
#16mm @100c/cstirrups		16	405	405	2.20	0.00	2.20	889.90	1.58	1404.56
		10	6	6	40.35	0.00	40.35	250.17	0.62	154.24
#16mm @100c/cstirrups		16	405	405	1.30	0.00	1.30	525.85	1.58	829.97
	1.00									
top bars		16	3	3	41.25	0.00	41.25	123.75	1.58	195.32
Bottom bars		16	3	3	41.25	0.00	41.25	123.75	1.58	195.32
		10	10	10	41.25	0.00	41.25	404.25	0.62	249.24
#16mm @100c/cstirrups		16	414	414	2.20	0.00	2.20	909.70	1.58	1435.81
		10	6	6	41.25	0.00	41.25	255.75	0.62	157.68
#16mm @100c/cstirrups		16	414	414	1.30	0.00	1.30	537.55	1.58	848.43
	1.00									
top bars		16	3	3	42.15	0.00	42.15	126.45	1.58	199.58
Bottom bars		16	3	3	42.15	0.00	42.15	126.45	1.58	199.58
		10	10	10	42.15	0.00	42.15	413.07	0.62	254.67
#16mm @100c/cstirrups		16	423	423	2.20	0.00	2.20	929.50	1.58	1467.06
		10	6	6	42.15	0.00	42.15	261.33	0.62	161.12
#16mm @100c/cstirrups		16	423	423	1.30	0.00	1.30	549.25	1.58	866.90
Tread Projection										
Southernside	1.00									
		10	16	16	11.50	0.00	11.50	181.70	0.62	112.02
#16mm @100c/cstirrups		16	116	116	3.70	0.00	3.70	429.20	1.58	677.42
	1.00									
		10	16	16	57.45	0.00	57.45	907.71	0.62	559.64
#16mm @100c/cstirrups		16	576	576	3.70	0.00	3.70	2129.35	1.58	3360.83
Westernside	1.00									
		10	16	16	43.80	0.00	43.80	692.04	0.62	426.67
#16mm @100c/cstirrups		16	439	439	3.70	0.00	3.70	1624.30	1.58	2563.69
									Sub Total	39794.08
									Total Steel Quantity in Kg	58930.34
									Total Steel Quantity in tonne	58.93

Ranangeerak
30/06/2

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬೊಮ್ಮಸಂದ್ರ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಡಿ.ಎ. ಬೆಂಗಳೂರು-100

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

PREMEASUREMENT SHEET

Client										
Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.9		KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.KBS 4.1, 4.6, Pg No 14, Item no.4.10							
Measurements taken on									
		Gallery Footing							
		Southernside	Cum	14	3.30	1.60	0.95	70.22	
		Westernside	Cum	9	3.30	1.60	0.95	45.14	
		Pedestal upto Ground Level							
		Southernside							
			Cum	3	0.80	0.45	0.30	0.32	
			Cum	2	0.80	0.45	0.30	0.22	
			Cum	2	0.80	0.45	0.30	0.22	
			Cum	1	0.80	0.45	0.30	0.11	
			Cum	1	0.80	0.45	0.30	0.11	
			Cum	2	0.80	0.45	0.30	0.22	
			Cum	2	0.80	0.45	0.30	0.22	
			Cum	1	0.80	0.45	0.30	0.11	
		Westernside	Cum	1	0.80	0.45	0.30	0.11	
			Cum	1	0.80	0.45	0.30	0.11	

Ranganeesh

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಜಯಲಕ್ಷ್ಮಿಪುರಂ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

ME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

PREMEASUREMENT SHEET

Client

ainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
om	To								
			Cum	1	0.80	0.45	0.30	0.11	
			Cum	1	0.80	0.45	0.30	0.11	
			Cum	1	0.80	0.45	0.30	0.11	
			Cum	1	0.80	0.45	0.30	0.11	
			Cum	1	0.80	0.45	0.30	0.11	
			Cum	1	0.80	0.45	0.30	0.11	
			Cum	1	0.80	0.45	0.30	0.11	
		Column Footing							
		Southernside	Cum	14	1.70	1.70	0.75	30.35	
		Westernside	Cum	7	1.70	1.70	0.75	15.17	
		Column upto Ground Level							
		Southernside							
			Cum	3	0.30	0.30	0.35	0.09	
			Cum	2	0.30	0.30	0.35	0.06	
			Cum	2	0.30	0.30	0.35	0.06	
			Cum	1	0.30	0.30	0.35	0.03	
			Cum	1	0.30	0.30	0.35	0.03	
			Cum	2	0.30	0.30	0.35	0.06	
			Cum	2	0.30	0.30	0.35	0.06	
			Cum	1	0.30	0.30	0.35	0.03	
		Westernside	Cum	1	0.30	0.30	0.35	0.03	
			Cum	1	0.30	0.30	0.35	0.03	
			Cum	1	0.30	0.30	0.35	0.03	
			Cum	1	0.30	0.30	0.35	0.03	
			Cum	1	0.30	0.30	0.35	0.03	
			Cum	1	0.30	0.30	0.35	0.03	
			Cum	1	0.30	0.30	0.35	0.03	
							Total Executed Quantity	164.03	
							Qty Carried to Summary	164.03	

Ramanjeeraih AE
21/12/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

PREMEASUREMENT SHEET

Client									
Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No.2		KSRB 2.3 : Filling Gavel in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification.							
Measurements taken on									
		Westernside	Cum	1	43.70	3.80	0.35	58.12	
		Southernside	Cum	1	54.30	3.80	0.35	72.22	
			Cum	1	12.10	3.80	0.35	16.09	
							Total Executed Quantity	146.43	
							Qty Carried to Summary	146.43	

Ramanjenaiah

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಇಂಜಿನಿಯರ್
ಜಯಲಕ್ಷ್ಮಿಪುರಂ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ ಬಿ ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-10೬

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

PREMEASUREMENT SHEET

Client										
Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. E3		KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification.							
Measurements taken on									
		Excavated earth quantity	Cum	From SL no 1				527.56	
		Deduction	Cum						
		filling sand in foundation	Cum	From SL no 3				-109.28	
		PCC	Cum	From SL no 4				-56.33	
		Footing Concrete	Cum	From SL no 9				-164.03	
				Total Executed Quantity				197.92	
				Qty Carried to Summary				197.92	

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

AME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

PREMEASUREMENT SHEET

Client

hainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. E2		KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34							
Measurements taken on									
		BeamB1 above Column Footing(300X600)							
		Southernside	Sqm	2	11.50		0.45	10.35	
			Sqm	2	53.85		0.45	48.47	
		Westernside	Sqm	2	38.60		0.45	34.74	
		BeamB1 above Pedestal (300X600)							
		Southernside	Sqm	1	11.50		0.40	4.60	
			Sqm	1	59.10		0.40	23.64	
		Westernside	Sqm	1	43.80		0.40	17.52	
		Deduction for Beam							
		Pedestal							
		Southernside	Sqm	14	0.45		0.40	-2.52	
		Westernside	Sqm	9	0.45		0.40	-1.62	
							Total Executed Quantity	135.18	
							Qty Carried to Summary	135.18	

Ranangeardh

20/3/20

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : DEVELOPMENT OF PLAYGROUND AT JUDICIAL LAYOUT IN WARD No. 4.

MEASUREMENT SHEET

n	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5.								
		Cum							
	Vide Total executed Quantity from premeasuremet Page no.						**527.56**		
	Tender Quantity						**312.70**		
	Quantity upto 125%						**390.88**		
	Quantity above 125%						**136.68**		
	Now to be Paid Quantity								
	Quantity upto 125%						**390.88**	**220.45**	**86168.39**
.2	**Quantity above 125%**						**136.68**	**523.71**	**71583.01**
	KSRB 2.3 : Filling Gavel in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification.								
		Cum							
	Vide Total executed Quantity from premeasuremet Page no.						**146.43**		
	Tender Quantity						**195.41**		
	Now to be Paid Quantity						**146.43**	**828.14**	**121267.02**
No.3	KSRB 2.6 : Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.specification. No. KBS 2.10.2								
		Cum							
	Vide Total executed Quantity from premeasuremet Page no.						**109.28**		
	Tender Quantity						**154.41**		
	Total Executed Quantity						**109.28**	**2490.26**	**272130.63**
m No.4	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.								
		Cum							
	Vide Total executed Quantity from premeasuremet Page no.						**42.66**		
	Tender Quantity						**56.33**		
	Now to be Paid Quantity						**42.66**	**5885.65**	**251099.49**

Ramarogeerh

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
KSRB-3.2: Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7								
	Sqm							
Vide Total executed Quantity from premeasuremet Page no.						495.45		
						Total Executed Quantity	555.40		
						Now to be Paid Quantity	495.45	120.14	59523.36
KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and First Floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.KBS 4.1, 4.6, Pg No 14, Item no.4.10								
	Cum							
Vide Total executed Quantity from premeasuremet Page no.						164.03		
ments on								
BeamB1 above Column Footing(300X600)								
Southernside	Cum	1	11.5	0.3	0.6	2.07		
	Cum	1	53.85	0.3	0.6	9.69		
Westernside	Cum	1	38.6	0.3	0.6	6.95		
Pedestal above Ground Level								
Southernside	Cum	14	0.8	0.45	2.25	11.34		
Westernside	Cum	9	0.8	0.45	2.25	7.29		
BeamB1 above Pedestal (300X600)	Cum							
Southernside	Cum	1	11.5	0.3	0.4	1.38		
	Cum	1	59.1	0.3	0.4	7.09		
Westernside	Cum	1	43.8	0.3	0.4	5.26		
Deduction for Beam								
Pedestal	Cum							
Southernside	Cum	14	0.3	0.45	0.4	-0.76		
Westernside	Cum	9	0.3	0.45	0.4	-0.49		
Gallery								
Southernside								
Tread	Cum	3	11.50	0.7	0.23	5.43		
	Cum	1	11.50	0.6	0.23	1.55		
	Cum	1	11.50	1.43	0.23	3.69		
	Cum	4	11.50	0.23	0.68	6.99		
Rises								

Ramanjeenath

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ.
ಜ.ಜ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
Tread								
	Cum	3	54.75	0.7	0.23	25.87		
	Cum	1	53.85	0.6	0.23	7.27		
Trianglar Portion	Cum	1	3.6	1.4	0.23	1.13		
	Cum	1	57.45	1.43	0.23	18.42		
Trianglar Portion	Cum	1	1.65	0.73	0.23	0.27		
Rises	Cum	4	53.85	0.23	0.68	32.71		
Trianglar Portion	Cum	1	5.25	0.23	1.35	1.59		
Westernside								
Tread	Cum	3	39.45	0.7	0.23	18.64		
	Cum	1	38.6	0.6	0.23	5.21		
Trianglar Portion	Cum	1	3.6	1.4	0.23	1.13		
	Cum	1	42.15	1.43	0.23	13.51		
Trianglar Portion	Cum	1	1.65	0.73	0.23	0.27		
Rises	Cum	4	38.6	0.23	0.68	23.45		
Trianglar Portion	Cum	1	5.25	0.23	1.35	1.59		
					Total Executed Quantity	382.60		
					Tender Quantity	338.89		
					Quantity upto 125%	382.60		
					Now to be Paid Quantity			
					Quantity upto 125%	382.60	7426.47	2841376.71
10	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3								
	Tonne							
	Vide Total executed Quantity from premeasuremet Page no.					58.93		
					Total Executed Quantity	58.93		
					Tender Quantity	33.89		
					Quantity upto 125%	42.36		
					Quantity Above 125%	16.57		
					Now to be Paid Quantity			
					Quantity upto 125%	42.36	65376.72	2769439.58
					Quantity Above 125%	16.57	75127.82	1244799.34
n No.35	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28							
	Sqm							
	Vide Total executed Quantity from premeasuremet Page no.					347.30		
					Total Executed Quantity	347.30		
					Tender Quantity	10.00		
					Quantity upto 125%	12.50		
					Quantity above 125%	334.80		
					Now to be Paid Quantity			
					Quantity upto 125%	12.50	249.48	3118.50
					Quantity above 125%	334.80	300.93	100751.77

Ranganeerakh

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಎಂಜಿನಿಯರ
ವೃಷಭಾವತಿ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಡಿ.ಎ.ಐ, ಬೆಂಗಳೂರು-109

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

n	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
	Pg No 17,Item No 4.38 KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2								
		Sqm							
	Vide Total executed Quantity from premeasuremet Page no.						848.25		
	Now to be Paid Quantity						848.25	606.53	514487.38
2	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc , and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
		Sqm							
	Vide Total executed Quantity from premeasuremet Page no.						135.18		
	Now to be Paid Quantity						135.18	340.59	46039.09
E3	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification.								
		Cum							
	Vide Total executed Quantity from premeasuremet Page no.						197.92		
	Now to be Paid Quantity						197.92	234.45	46401.51
						Total Amount			8428186

Ramayeachta
3/11/2020.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER